

### **Abstract of the Disclosure**

The present invention is directed to an implantable immune modulation device that is useful for modulating an immune response in mammals, comprising a plurality of  
5 fibers, within a porous shell. The fiber filling is loaded with single or multiple antigens, and optionally one or more biologically active compounds such as cytokines (e.g. lymphokines, chemokines etc.), attachment factors, genes, peptides, proteins, nucleotides, carbohydrates or cells depending on the application.